

SW/SE DRAINAGE IMPROVEMENTS PROJECT



FEMA

Project Schedule

July 17, 2016

Commission Award

August 1, 2016

Notice to Proceed

February 14, 2017

60% Design

April 17, 2017

90% Design

September 12, 2017

100% Design and Permitting

November 30, 2017

Bid Plans and Specifications

December 2017 to

April 2018

Bid and Award



Contact Information:

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City Engineer

Office: 954-457-3042

City of Hallandale Beach: Public Works Department

FEMA Project Number 1609-75-B

Background

On May 25, 2016, the Federal Emergency Management Agency (FEMA) approved a phases 24 month Period of Performance for the project design, permitting and construction bid process. If these activities are completed within 24 months, FEMA will continue the Period of Performance extension to include construction for an additional 28 months.

Project funding **available** for Design, Permitting and Bid Process

Federal funding: \$760,000

Required City's match: \$250,000 – Storm water fund

Project funding anticipated for Construction (not available)

Federal funding: \$6,585,000

Required City's match: \$2,195,000

Design Services

On July 6, 2016, the City Commission awarded the design services to Calvin Giordano & Associates, Inc. (CGA) for \$782,395.

Project Scope of Work

The work will include the installation of drainage pipes, force mains, inlet control structures, pumps station, drainage injections wells, and restoration work.

Project Design Approach

The SW/SE drainage project proposes to install a new pump station which will draw from the existing canal and pump into approximately 20 storm water injection wells. An automatic control structure may be installed on the downstream end of the canal in order to isolate the City's system during high tide or heavy rain events. By isolating the canal system from the tidal controlled water and running the new pump station during heavy rain events, a better hydraulic grade line will be established allowing the runoff in the neighborhoods to get to the canal via the collection system and outfalls with more efficiency

Progress report as of September 6, 2016

- CGA has completed the field topographic survey for the initial area around the canal and is processing the data in the office.
- The hydrogeological firm has begun their investigation by researching available data, meeting with CGA and calling in utility locates for the proposed test hole sites.
- Drilling for the test holes will occur 9/12-9/16 with a recommendation for the proposed depth of the wells by 9/23.
- Utility coordination and data gathering is underway.
- The finished floor analysis exhibit and repetitive loss exhibits are completed and being analyzed.